

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 1875.2790002/RES/GSB	APPLICATION NO. To Be Assigned
	APPLICANT Jan MULDER	
	FILING DATE Herewith (October 21, 2003)	GROUP To Be Assigned

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
BVO ↓	AA1	6,489,913	12/2002	Hansen et al.	341	156	
	AB1	5,973,632	10/1999	Tai	341	156	
	AC1	6,259,745 B1	07/2001	Chan	375	285	
	AD1	5,191,336	03/1993	Stephenson	341	111	
	AE1						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1						Yes No
	AM1						Yes No
	AN1						Yes No
	AO1						Yes No
	AP1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

BVO ↓ ↓	AR	1	Abo, A.M. and Gray, P.R., "A 1.5-V, 10-bit, 14.3-MS/s CMOS Pipeline Analog-to-Digital Converter," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 34, No. 5, May 1999, pp. 599-606.				
	AS	1	Brandt, B.P. and Lutsky, J., "A 75-mW, 10-b, 20-MSPS CMOS Subranging ADC with 9.5 Effective Bits at Nyquist," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 34, No. 12, December 1999, pp. 1788-1795.				
	AT	1	Bult, Klaas and Buchwald, Aaron, "An Embedded 240-mW 10-b 50-MS/s CMOS ADC in 1-mm ² ," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 32, No. 12, December 1997, pp. 1887-1895.				




EXAMINER	DATE CONSIDERED 3/17/04
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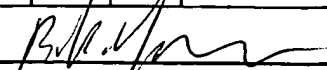
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
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	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No




OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	2	Cho, T.B. and Gray, P.R., "A 10 b, 20 Msample/s, 35 mW Pipeline A/D Converter," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 30, No. 3, March 1995, pp. 166-172.				
	AS	2	Choe, M-J. et al., "A 13-b 40-Msamples/s CMOS Pipelined Folding ADC with Background Offset Trimming," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 35, No. 12, December 2000, pp. 1781-1790.				
	AT	2	Choi, M. and Abidi, A., "A 6-b 1.3-Gsample/s A/D Converter in 0.35-μm CMOS," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 36, No. 12, December 2001, pp. 1847-1858.				

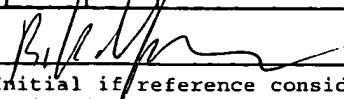
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	AM3						Yes No
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	AO3						Yes No
	AP3						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	3	Flynn, M. and Sheahan, B., "A 400-Msample/s, 6-b CMOS Folding and Interpolating ADC," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 33, No. 12, December 1998, pp. 1932-1938.
	AS	3	Geelen, G., "A 6b 1.1GSample/s CMOS A/D Converter," <i>IEEE International Solid-State Circuits Conference</i> , IEEE, 2001, pp. 128-129 and 438.
	AT	3	Hoogzaad, G. and Roovers, R., "A 65-mW, 10-bit, 40-Msample/s BiCMOS Nyquist ADC in 0.8 mm ² ," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 34, No. 12, December 1999, pp. 1796-1802.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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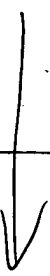

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
B12	AR	4	Hosotani, S. et al., "An 8-bit 20-MS/s CMOS A/D Converter with 50-mW Power Consumption," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 25, No. 1, February 1990, pp. 167-172.
I	AS	4	Ingrino, J.M. and Wooley, B.A., "A Continuously Calibrated 12-b, 10-MS/s, 3.3-V A/D Converter," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 33, No. 12, December 1998, pp. 1920-1931.
↓	AT	4	Ito, M. et al., "A 10 bit 20 MS/s 3 V Supply CMOS A/D Converter," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 29, No. 12, December 1994, pp. 1531-1536.

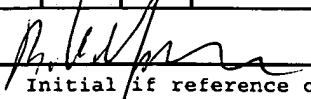
EXAMINER	B. K. [Signature]	DATE CONSIDERED	3/17/04
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	AM5						Yes No
	AN5						Yes No
	AO5						Yes No
	AP5						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	5	Kattman, K. and Barrow, J., "A Technique for Reducing Differential Non-Linearity Errors in Flash A/D Converters," <i>IEEE International Solid-State Conference</i> , IEEE, 1991, pp. 170-171.				
	AS	5	Kusumoto, K. et al., "A 10-b 20-MHz 30-mW Pipelined Interpolating CMOS ADC," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 28, No. 12, December 1993, pp. 1200-1206.				
	AT	5	Lewis, S. et al., "A 10-b 20-Msample/s Analog-to-Digital Converter," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 27, No. 3, March 1992, pp. 351-358.				

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FOREIGN PATENT DOCUMENTS							
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	AM6						Yes No
	AN6						Yes No
	AO6						Yes No
	AP6						Yes No




OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
B/R	AR	5	Mehr, I. and Singer, L., "A 55-mW, 10-bit, 40-Msample/s Nyquist-Rate CMOS ADC," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 35, No. 3, March 2000, pp. 318-325.
I	AS	5	Nagaraj, K. et al., "Efficient 6-Bit A/D Converter Using a 1-Bit Folding Front End," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 34, No. 8, August 1999, pp. 1056-1062.
✓	AT	5	Nagaraj, K. et al., "A Dual-Mode 700-Msamples/s 6-bit 200-Msamples/s 7-bit A/D Converter in a 0.25-μm Digital CMOS," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 35, No. 12, December 2000, pp. 1760-1768.

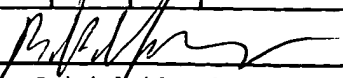
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL7						Yes No
	AM7						Yes No
	AN7						Yes No
	AO7						Yes No
	AP7						Yes No




OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	2	Nauta, B. and Venes, A., "A 70-MS/s 110-mW 8-b CMOS Folding and Interpolating A/D Converter," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 30, No. 12, December 1995, pp. 1302-1308.				
	AS	2	Pan, H. et al., "A 3.3-V 12-b 50-MS/s A/D Converter in 0.6-μm CMOS with over 80-dB SFDR," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 35, No. 12, December 2000, pp. 1769-1780.				
	AT	2	Song, W-C. et al., "A 10-b 20-Msample/s Low-Power CMOS ADC," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 30, No. 5, May 1995, pp. 514-521.				

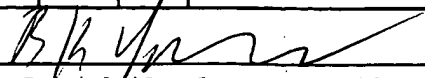
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	AA8						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL8						Yes No
	AM8						Yes No
	AN8						Yes No
	AO8						Yes No
	AP8						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	8	Sumanen, L. et al., "A 10-bit 200-MS/s CMOS Parallel Pipeline A/D Converter," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 36, No. 7, July 2001, pp. 1048-1055.				
	AS	8	Taft, R.C. and Tursi, M.R., "A 100-MS/s 8-b CMOS Subranging ADC with Sustained Parametric Performance from 3.8 V Down to 2.2 V," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 36, No. 3, March 2001, pp. 331-338.				
	AT	8	van der Ploeg, H. and Remmers, R., "A 3.3-V, 10-b 25-Msample/s Two-Step ADC in 0.35-μm CMOS," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 34, No. 12, December 1999, pp. 1803-1811.				

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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
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	AM9						Yes No
	AN9						Yes No
	AO9						Yes No
	AP9						Yes No




OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
BW	AR	2	van der Ploeg, H. et al., "A 2.5-V 12-b 54-Msample/s 0.25- μ m CMOS ADC in 1-mm ² With Mixed-Signal Chopping and Calibration," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 36, No. 12, December 2001, pp. 1859-1867.				
I	AS	2	Vorenkamp, P. and Roovers, R., "A 12-b, 60-Msample/s Cascaded Folding and Interpolating ADC," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 32, No. 12, December 1997, pp. 1876-1886.				
V	AT	2	Wang, Y-T. and Razavi, B., "An 8-bit 150-MHz CMOS A/D Converter," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 35, No. 3, March 2000, pp. 308-317.				

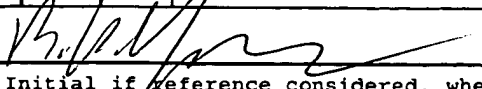
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FOREIGN PATENT DOCUMENTS							
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	AO10						Yes No
	AP10						Yes No



OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	<u>10</u>	Yotsuyanagi, M. et al., "A 2 V, 10 b, 20 Msample/s, Mixed-Mode Subranging CMOS A/D Converter," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 30, No. 12, December 1995, pp. 1533-1537.				
	AS	<u>10</u>	Yu, P.C. and Lee, H-S., "A 2.5-V, 12-b, 5-Msample/s Pipelined CMOS ADC," <i>IEEE Journal of Solid-State Circuits</i> , IEEE, Vol. 31, No. 12, December 1996, pp. 1854-1861.				
	AT	<u>10</u>	Miyazaki et al., ISSCC 2002/Session 10/High-Speed ADCs/10.5, "A 16mW 30 MSample/s 10b Pipelined A/D Converter using a Pseudo-Differential Architecture", February 5, 2002, 3 pgs.				

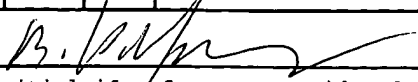
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	<u>11</u>	Sushihara et al., ISSCC 2002/Session 10/High-Speed ADCs/10.3, "A 7b 450 MSample/s 50mW CMOS ADC in 0.3 mm ² ", February 5, 2002, 3 pgs.				
	AS	<u>11</u>	Dingwall et al., IEEE Journal of Solid-State Circuits, Vol. SC-20, No. 6, "An 8-MHz CMOS Subranging 8-Bit A/D Converter", December 1985, pgs. 1138-1143.				
	AT	<u>11</u>					

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